

We Claim:

1. A method of transferring a packet switched call carried over a first network to a circuit switched call carried over a second network, comprising:

receiving a handoff notification request, the handoff notification request corresponding with a call transfer request if a handoff request is received, the call transfer request requesting transfer of the packet switched call to a circuit switched call.

2. The method of claim 1, wherein the handoff notification request is an event request established using a SIP SUBSCRIBE request.

3. The method of claim 1, wherein the call transfer request is a call request including an identifier identifying the call request as a call transfer request.

4. The method of claim 3, wherein the handoff notification request includes a network address for addressing a call transfer function for

the mobile station in the packet call controller, and the identifier is the network address.

5. The method of claim 3, wherein the identifier is a universal resource identifier.

6. The method of claim 3, wherein the call request is a SIP INVITE request.

7. The method of claim 6, wherein the identifier is a Request URI provided for use in call transfer of the mobile station by the handoff notification request.

8. The method of claim 1, further comprising:

sending the call transfer request upon receipt of a handoff request for the mobile station.

9. The method of claim 1, wherein the first and second networks are one of different networks and different portions of a same network.

10. A method of transferring a packet switched call over a first network to a circuit switched call carried over a second network, the packet switched call being between a mobile station and an end point, comprising:

    sending a handoff notification request, the handoff notification request requesting sending of a notification if the second network receives a handoff request.

11. The method of claim 10, wherein the notification is a call request including an identifier identifying the call request as a call transfer request.

12. The method of claim 11, wherein the handoff notification request includes a network address for addressing a call transfer function for the mobile station in the packet call controller, and the identifier is the network address.

13. The method of claim 11, wherein the identifier is a universal resource identifier.

14. The method of claim 11, wherein the call request is a SIP INVITE request.

15. The method of claim 14, wherein the identifier is a Request URI provided for the mobile station by the handoff notification request.

16. The method of claim 10, further comprising:

establishing a bearer path between the end point and the mobile station via the second network when the notification is received.

17. The method of claim 16, wherein the establishing step comprises:

sending a call control request to the end point requesting agreement to transition the packet call controller from a call control agent for a first call control path from the first network to the end point to a call control agent for a second call control path from the second network to the end point.

18. The method of claim 17, wherein the establishing step further comprises:

setting up the bearer path at the packet call controller as the call control agent for the second call control path.

19. The method of claim 17, wherein the control request is a SIP re-INVITE request.

20. The method of claim 19, wherein the call transfer request is a SIP INVITE request.

21. The method of claim 10, further comprising:

    sending a serving controller notification request to a location register, the serving controller notification request requesting notification of a circuit switching controller in the second network with which the mobile station is registered at least when a change in circuit switching controller registration takes place;

    receiving at least one serving controller notification indicating the circuit switching controller with which the mobile station is registered; and wherein

    the sending step sends the handoff notification request to the indicated circuit switching controller.

22. The method of claim 10, wherein the first and second networks are one of different networks and different portions of a same network.